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**UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office**

ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

DATE: 10/22/91

TO:

SHELDON AND MACK

201 SOUTH LAKE AVENUE, STE. 800

PASADENA, CA 91101



**UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT**

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ASSIGNOR:

LINSLEY, PETER S.

DOC DATE: 08/19/91

ASSIGNOR:

LEDBETTER, JEFFREY A.

DOC DATE: 08/19/91

ASSIGNOR:

DAMLE, NITIN K.

DOC DATE: 08/19/91

ASSIGNOR:

BRADY, WILLIAM

DOC DATE: 08/19/91

RECORDATION DATE: 09/04/91 NUMBER OF PAGES 007 REEL/FRAME 5860/0304

DIGEST :ASSIGNMENT OF ASSIGNORS INTEREST

ASSIGNEE:

BRISTOL-MYERS SQUIBB COMPANY

3005 FIRST AVENUE

SEATTLE, WASHINGTON 98121

SERIAL NUMBER 7-722101

FILING DATE 06/27/91

PATENT PATENT

ISSUE DATE 00/00/00

ASSIGNMENT

This Assignment as dated herein below, by Peter S. Linsley, of 2430 9th St. West, Seattle, Washington, 98119; Jeffrey A. Ledbetter of 306 Northwest 113th Place, Seattle, WA 98177; Nitin K. Damle, of 11717 S.E. 60th Place, Renton Washington, 98056; and William Brady of 618 219th Place S.W., Bothell, Washington, 98021 to BRISTOL-MYERS SQUIBB COMPANY, a corporation, Assignee, having a place of business at 3005 First Avenue, Seattle, WA 98121.

WHEREAS, Assignors have invented a new and useful LIGAND FOR CD28 RECEPTOR ON B CELLS AND METHODS, for which an application for United States Letters Patent has been filed on June 27, 1991, under Serial Number 07/722,101; and

WHEREAS, Assignors believe themselves to be the original, joint inventors of the invention disclosed and claimed in said application for Letters Patent; and

WHEREAS, Assignee desires to acquire by formal, recordable assignment the entire right, title and interest in and to said invention, said application and any Letters Patent that may be granted for said invention in the United States and throughout the world;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) and of other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignors hereby sell, assign, and transfer to Assignee, the entire right, title, and interest in and to said invention, said application and any Letters Patent that may be granted for said invention in the United States and throughout the world, including the right to file foreign applications

directly in the name of the Assignee and to claim for any such foreign applications any priority rights to which such applications are entitled under international conventions, treaties, or otherwise.

Further, Assignors agree that, upon request and without further compensation, but at no expense to Assignors, they and their legal representatives and assigns will do all lawful acts, including the execution of papers and the giving of testimony, that may be necessary or desirable for obtaining, sustaining, reissuing, or enforcing Letters Patent in the United States and throughout the world for said invention, and for perfecting, recording, or maintaining the title of Assignee, its successors and assigns, to said invention, said application, and any Letters Patent granted for said invention in the United States and throughout the world.

Assignors represent and warrant that they have not granted and will not grant to others any rights inconsistent with the rights granted herein.

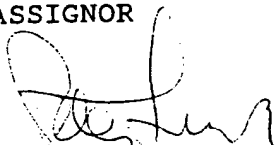
Assignors authorize and request the Commissioner of Patents and Trademarks of the United States and of all foreign countries to issue any Letters Patent granted for said invention, whether on said application or on any subsequently filed division, continuation, continuation-in-part or reissue application, to Assignee, its successors and assigns, as the assignee of the entire interest in said invention.

REEL 5860 FRAME 306

IN WITNESS WHEREOF, Assignors have executed this
Assignment on the dates as written.

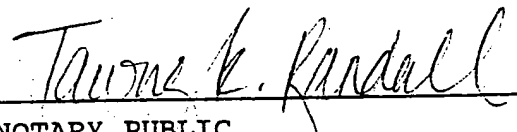
Dated: 08/19/91

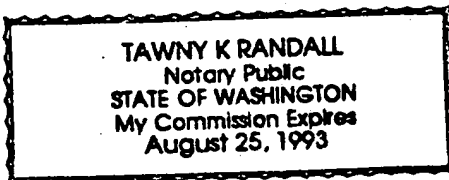
ASSIGNOR


Peter S. Linsley

On this 19 day of August, the year 1991,
before me personally appeared Peter S. Linsley personally
known to me or proved to me on the basis of satisfactory
evidence to be the person whose name is subscribed to this
instrument, and acknowledged to me that he executed it.

IN WITNESS WHEREOF, I have hereunto set my hand and
affixed my official seal the day and year in this certificate
first above written.


NOTARY PUBLIC



REL5860 FRANK307

Dated: Aug 19, 1991

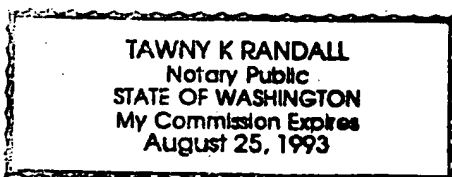
ASSIGNOR

Jeffrey A. Ledbetter
Jeffrey A. Ledbetter

On this 19 day of AUGUST, the year 1991,
before me personally appeared Jeffrey A. Ledbetter personally
known to me or proved to me on the basis of satisfactory
evidence to be the person whose name is subscribed to this
instrument, and acknowledged to me that he executed it.

IN WITNESS WHEREOF, I have hereunto set my hand and
affixed my official seal the day and year in this certificate
first above written.

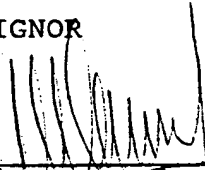
Tawny K. Randall
NOTARY PUBLIC



REEL 5860 FRAME 308

Dated: 8-19-91

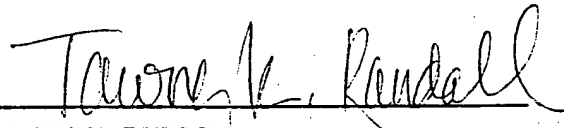
ASSIGNOR



Nitin K. Damle

On this 19 day of August, the year 1991,
before me personally appeared Nitin K. Damle personally known
to me or proved to me on the basis of satisfactory evidence to
be the person whose name is subscribed to this instrument, and
acknowledged to me that he executed it.

IN WITNESS WHEREOF, I have hereunto set my hand and
affixed my official seal the day and year in this certificate
first above written.



NOTARY PUBLIC

TAWNY K RANDALL
Notary Public
STATE OF WASHINGTON
My Commission Expires
August 25, 1993

REC-5860 FRANK 309

Dated: 8/21/91

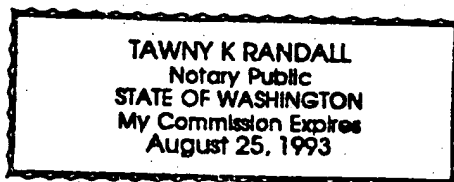
ASSIGNOR

Will. Brady
William Brady

On this 21 day of August, the year 1991,
before me personally appeared William Brady personally known
to me or proved to me on the basis of satisfactory evidence to
be the person whose name is subscribed to this instrument, and
acknowledged to me that he executed it.

IN WITNESS WHEREOF, I have hereunto set my hand and
affixed my official seal the day and year in this certificate
first above written.

Tawny K. Randall
NOTARY PUBLIC



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Peter S. Linsley, et al.

Serial No.: 09/454,651

Examiner: P. Gambel, Ph.D.

Filed: December 6, 1999

Group Art Unit: 1644

Title: CTLA4 MOLECULES AND IL4-BINDING MOLECULES AND USES
THEREOF

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Dear Sir/Madam:

CERTIFICATE UNDER 37 C.F.R. § 3.73(b)

Petitioner, the Bristol-Myers Squibb Company, a corporation organized and existing under the laws of the State of New Jersey and having its primary place of business at P.O. Box 4000, Lawrenceville-Princeton Road, Princeton, New Jersey 08453-4000, certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of an assignment from the inventors for related parent applications.

Applicants point out that the subject application is: a divisional application of U.S. Serial No. 08/228,208, filed April 15, 1994, now U.S. Patent No. 6,090,914, issued July 18, 2000; which is a continuation-in-part of U.S. Serial No. 08/008,898, filed January 22, 1993, now U.S. Patent No. 5,770,197, issued June 23, 1998; which is a continuation-in-part of U.S. Serial No. 07/723,617, filed June 27, 1991, now abandoned.

Applicants: Peter S. Linsley, et al.
U.S. Serial No: 09/454,651
Filed: December 6, 1999
Page: 2



Copies of the recorded assignments for all the applications in the chain of title for the subject application are enclosed herewith (Exhibit 2A-U.S. Serial No. 08/228,208; Exhibit 2B-U.S. Serial No. 08/008,898; Exhibit 2C-U.S. Serial No. 07/723,617).

The undersigned has reviewed all the documents in the chain of title of the patent application identified above and, to the best of undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned (whose title is provided below) is empowered to act on behalf of the assignee. I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date:

March 12, 2004

By:

A handwritten signature in black ink, appearing to read "Christopher A. Klein". The signature is written over a horizontal line.

Christopher A. Klein
Senior Counsel
Biotechnology Patents
Bristol-Myers Squibb Company
P.O. Box 4000
Lawrenceville-Princeton road
Princeton, NJ 08453-4000



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

DATE 11/08/94

N12B

SARAH B. ADRIANO, ESQ.
MERCHANT, GOULD, SMITH, EDELL, ET AL.
11150 SANTA MONICA BLVD.
LOS ANGELES, CA 90025-3395

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ASSIGNOR:
LINSLEY, PETER S.

DOC DATE: 09/30/94

ASSIGNOR:
LEDBETTER, JEFFREY A.

DOC DATE: 09/29/94

ASSIGNOR:
DAMLE, NITIN K.

DOC DATE: 07/01/94

ASSIGNOR:
BRADY, WILLIAM

DOC DATE: 09/29/94

ASSIGNOR:
WALLACE, PHILIP M.

DOC DATE: 09/29/94

RECORDATION DATE: 10/20/94 NUMBER OF PAGES 008 REEL/FRAME 7169/0094

DIGEST : ASSIGNMENT OF ASSIGNORS INTEREST

ASSIGNEE:
BRISTOL-MYERS SQUIBB COMPANY
3005 FIRST AVENUE
SEATTLE, WA 98121


RECEIVED
DEC 07 1994

Merchant & Gould
LOS ANGELES, CA 90025

7169/0094 PAGE 0002

SERIAL NUMBER 8-228208
PATENT NUMBER

FILING DATE 04/15/94
ISSUE DATE 00/00/00


EXAMINER/PARALEGAL

ASSIGNMENT BRANCH

ASSIGNMENT/CERTIFICATION SERVICES DIVISION

RECORDATION COVER SHEET
PATENTS ONLYU.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Peter S. Linsley
Jeffrey A. Ledbetter
Nitin K. Damle
William Brady
Philip M. Wallace

Additional name(s) of conveying party(ies) attached? [] Yes [x] No

2. Name and address of receiving party(ies):

Name: Bristol-Myers Squibb Company

Internal Address: _____

Street Address: 3005 First AvenueCity: Seattle State: WA ZIP: 98121

3. Nature of conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____Execution Date: July 1, 1994; Sept. 29, 1994; Sept. 30, 1994

Additional name(s) & address(es) attached? [] Yes [x] No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)
08/228,208

B. Patent No.(s)

Additional numbers attached? [] Yes [x] No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Sarah B. Adriano, Esq.Address: Merchant, Gould, Smith, Edell,
Welter & Schmidt
Suite 400
11150 Santa Monica Boulevard
Los Angeles, CA 90025-3395

6. Total number of applications and patents involved: _____

7. Total fee (37 CFR 3.41): _____ \$ 40.00☒ Enclosed
☐ Authorized to be charged to deposit account8. Please charge any additional fees or credit any overpayments to our Deposit account number:
13-2724

(A duplicate copy of this page is attached.)

090 66 10/28/94 08228208

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Sarah B. Adriano, Esq.

Name of Person Signing

Sarah B. Adriano

Signature

October 17, 1994

Date

Total number of pages including cover sheet, attachments, and document: _____

8

OMB No. 0651-0011 (exp. 4/94)

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ASSIGNMENT

WHEREAS, Peter S. Linsley, residing at 2430 9th Avenue West, Seattle, WA 98119; Jeffrey A. Ledbetter, residing at 306 N.W. 113th Place, Seattle, WA 98117; Nitin K. Damle, residing at 865 Ridge Road, Monmouth Junction, NJ 08852; William Brady, residing at 618 219th Place S.W., Bothell, WA 98021; and Philip M. Wallace, residing at 3020 64th Avenue Southwest, #D, Seattle, WA 98116 (hereinafter referred to as "Assignors"), made certain new and useful inventions and improvements for which they executed an application for Letters Patent of the United States which is entitled CTLA4 MOLECULES AND IL4-BINDING MOLECULES AND USES THEREOF, (U.S. Serial No. 08/228,208, filed April 15, 1994).

AND WHEREAS, BRISTOL-MYERS SQUIBB COMPANY (hereinafter referred to as "Assignee"), a corporation organized and existing under and by virtue of the laws of the State of Delaware and having an office and place of business at 3005 First Avenue, Seattle, WA 98121, is desirous of acquiring the right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained thereof;

NOW, THEREFORE, to all whom it may concern, be it known that for and in consideration of the sum of One Dollar and other good and valuable considerations, the receipt and sufficiency whereof is hereby acknowledged, have sold, assigned and transferred, and by these presents do sell, assign and transfer unto said Bristol-Myers Squibb Company, its successors or assigns, the entire right title and interest for all countries in and to all inventions and improvement disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and Peter S. Linsley, Jeffrey A. Ledbetter, Nitin K. Damle, William Brady and Philip M. Wallace do hereby authorize and request the Commissioner of Patents to issue any and all United States Patent for the aforesaid inventions and improvements to the said Bristol-Myers Squibb Company as the assignee of the entire right, title and interest in and to the same, for the use of the said Bristol-Myers Squibb Company, its successors and assigns.

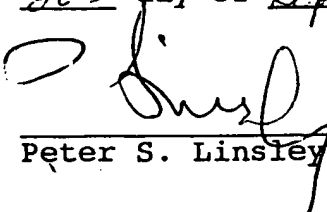
REEL 1169 FRAME 095

AND, for the consideration aforesaid, Peter S. Linsley, Jeffrey A. Ledbetter, Nitin K. Damle, William Brady and Philip M. Wallace do hereby agree that Peter S. Linsley, Jeffrey A. Ledbetter, Nitin K. Damle, William Brady and Philip M. Wallace, their executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Bristol-Myers Squibb Company, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in Bristol-Myers Squibb Company, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore, Peter S. Linsley, Jeffrey A. Ledbetter, Nitin K. Damle, William Brady and Philip M. Wallace covenant and agree with said Bristol-Myers Squibb Company its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by Peter S. Linsley, Jeffrey A. Ledbetter, Nitin K. Damle, William Brady, and Philip M. Wallace, and that full right to convey the same as herein expressed is possessed by Peter S. Linsley, Jeffrey A. Ledbetter, Nitin K. Damle, William Brady and Philip M. Wallace.

REEL 7169 PAGE 096

IN TESTIMONY WHEREOF, Peter S. Linsley, Jeffrey A. Ledbetter, Nitin K. Damle, William Brady, and Philip M. Wallace have hereunto set their hands this 30th day of September, 1994.

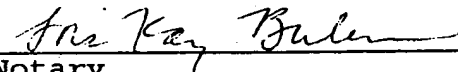


Peter S. Linsley

STATE OF Washington)
COUNTY OF Fring) ss.

On this 30th day of September, 1994, before me, Jane Kay Bulmer, personally appeared Peter S. Linsley, personally known to me or (proved to me on the basis of satisfactory evidence to be the person(s)) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity(ies), and that by his/her signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.



Notary

RECORDED
PATENT & TRADEMARK OFFICE

OCT 20 94

Jeffrey A. Ledbetter
Jeffrey A. Ledbetter

STATE OF Washington)
COUNTY OF King) ss.

On this 29 day of September, 1994, before me,
Jane Kay Bullock, personally appeared Jeffrey A. Ledbetter,
personally known to me or (proved to me on the basis of
satisfactory evidence to be the person(s)) whose name(s) is/are
subscribed to the within instrument and acknowledged to me that
he/she executed the same in his/her authorized capacity(ies), and
that by his/her signature(s) on the instrument the person(s), or
the entity upon behalf of which the person(s) acted, executed the
instrument.

WITNESS my hand and official seal.

Jane Kay Bullock
Notary

REEL 7169 FRAME 097


Nitin K. Damle

STATE OF N.J.)
COUNTY OF Middlesex) ss.

On this 1st day of July, 1994, before me,
Nitin K. Damle, personally appeared _____,
personally known to me or (proved to me on the basis of
satisfactory evidence to be the person(s)) whose name(s) is/are
subscribed to the within instrument and acknowledged to me that
he/she executed the same in his/her authorized capacity(ies), and
that by his/her signature(s) on the instrument the person(s), or
the entity upon behalf of which the person(s) acted, executed the
instrument.

WITNESS my hand and official seal.

Marie Arcaro
Notary

REEL 7169 FRAME 100

William Brady
William Brady

STATE OF Washington)
COUNTY OF King) ss.

On this 29th day of September, 1994, before me,
Joris Kay Butler, personally appeared William Brady,
personally known to me or (proved to me on the basis of
satisfactory evidence to be the person(s)) whose name(s) is/are
subscribed to the within instrument and acknowledged to me that
he/she executed the same in his/her authorized capacity(ies), and
that by his/her signature(s) on the instrument the person(s), or
the entity upon behalf of which the person(s) acted, executed the
instrument.

WITNESS my hand and official seal.

Joris Kay Butler
Notary

REEL 7169 FRAME 098

P. Wallace
Philip M. Wallace

STATE OF Washington)
COUNTY OF Kearney) ss.

On this 29th day of September, 1994, before me,
Lisa Kay Bulen, personally appeared Philip M. Wallace,
personally known to me or (proved to me on the basis of
satisfactory evidence to be the person(s)) whose name(s) is/are
subscribed to the within instrument and acknowledged to me that
he/she executed the same in his/her authorized capacity(ies), and
that by his/her signature(s) on the instrument the person(s), or
the entity upon behalf of which the person(s) acted, executed the
instrument.

WITNESS my hand and official seal.

Lisa Kay Bulen
Notary

REEL 169 FRAME 099

FROM Merchant & Gould 310 44 1

(THU) 8:14'97 14 T. 14:54/NO. 4261403915 P. 7

ASSIGNMENT

This Assignment as dated herein below, by Peter S. Linsley of 2430 9th Avenue West, Seattle, Washington 98119; Jeffrey A. Ledbetter, of 306 N.W. 113th Place, Seattle, Washington 98117; Nicin K. Dangle, of 11717 S.E. 60th Place, Renton, Washington; William Brady, of 618 219th Place, S.W., Bothell, Washington, 98021, and Philip M. Wallace of 3020 64 Avenue Southwest, Seattle, Washington 98116; Assignors, to BRISTOL-MYERS SQUIBB COMPANY, Assignee, a corporation, having a place of business at 3005 First Avenue, Seattle, Washington, 98121.

WHEREAS, Assignors have invented a new and useful METHODS FOR REGULATING THE IMMUNE RESPONSE USING CTLA4-BINDING MOLECULES AND IL4-BINDING MOLECULES, U.S. Serial No. 08/008,898, filed January 22, 1993, and

WHEREAS, Assignors believe themselves to be the original, joint inventors of the invention disclosed and claimed in said application for Letters Patent; and

WHEREAS, Assignee desires to acquire by formal, recordable assignment the entire right, title and interest in and to said invention, said application and any Letters Patent that may be granted for said invention in the United States and throughout the world;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00), and of other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignors hereby sell, assign, and transfer to Assignee, the entire right, title and interest in and to said invention, said application and any Letters Patent that may be granted for said invention in the United States and throughout the world, including the right

6567 0839

FROM Merchant & Gould 310 44 71

(THU) 8.14'97 14 T. 14:54/NO. 4261403915 ? 8

to file foreign applications directly in the name of the Assignee and to claim for any such foreign applications any priority rights to which such applications are entitled under international conventions, treaties, or otherwise.

Further, Assignors agree that, upon request and without further compensation, but at no expense to Assignor, they and their legal representatives and assigns will do all lawful acts, including the execution of papers and the giving of testimony, that may be necessary or desirable for obtaining, sustaining, reissuing, or enforcing Letters Patent in the United States and throughout the world for said invention, and for perfecting, recording, or maintaining the title of Assignee, its successors and assigns, to said invention, said application, and any Letters Patent granted for said invention in the United States and throughout the world.

Assignors represent and warrant that they have not granted and will not grant to others any rights inconsistent with the rights granted herein.

Assignors authorize and request the Commissioner of Patents and Trademarks of the United States and of all foreign countries to issue any Letters Patent granted for said invention, whether on said application or on any subsequently filed division, continuation, continuation-in-part or reissue application, to Assignee, its successors and assigns, as the assignee of the entire interest in said invention.

6567

0840

FROM Merchant & Gould 910 44

(THU) 8.14' 97 14 T.14:54/NO. A261403915 5

IN WITNESS WHEREOF, Assignor has executed this Assignment on
the dates as written.

Dated: 012293

ASSIGNOR

Peter S. Linsley
PETER S. LINSLEY

COUNTY OF Fry
STATE OF Washington

On this 22nd day of January, the year 1993, before
me personally appeared PETER S. LINSLEY personally known to me or
proved to me on the basis of satisfactory evidence to be the
person whose name is subscribed to this instrument, and
acknowledged to me that he executed it.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed
my official seal the day and year in this certificate first above
written.

For Kay Buler
NOTARY PUBLIC

6567
0841

FROM Merchant & Gould 310 46

(THU) 8, 14' 97 14 T. 14:54/NO. 4261403915 P. 10

IN WITNESS WHEREOF, Assignor has executed this
Assignment on the dates as written.

Dated: Jan 22, 1993

ASSIGNOR

Jeff A. Ledbetter
JEFFREY A. LEDBETTER

COUNTY OF King
STATE OF Washington

On this 22nd day of January, the year 1993, before me
personally appeared JEFFREY A. LEDBETTER personally known to me
or proved to me on the basis of satisfactory evidence to be the
person whose name is subscribed to this instrument; and
acknowledged to me that he executed it.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed
my official seal the day and year in this certificate first above
written.

Ani Kay Buler
NOTARY PUBLIC

6567

0842

FROM Merchant & Gould 910 46

(THU) 8.14.97 14 T. 14:54/NO. 4261403915 P. 11

IN WITNESS WHEREOF, Assignor has executed this
Assignment on the dates as written.

Dated: 1-28-93

ASSIGNOR

NITIN K. DAHLE

COUNTY OF King
STATE OF Washington

On this 28th day of January, the year 1993,
before me personally appeared NITIN K. DAHLE personally known to
me or proved to me on the basis of satisfactory evidence to be
the person whose name is subscribed to this instrument, and
acknowledged to me that he executed it.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed
my official seal the day and year in this certificate first above
written.

Lori Kay Bilen
NOTARY PUBLIC

REEL
6567
FRAME
0843

FROM Merchant & Gould 310 46

(THU) 8.14'97 14 . T. 14:54/NO. 4261409915 P 12

IN WITNESS WHEREOF, Assignor has executed this Assignment on
the dates as written.

Dated 01/22/93

ASSIGNOR

Will. Brady
WILLIAM BRADY

COUNTY OF King
STATE OF Washington

On this 22nd day of January, the year 1993, before
me personally appeared WILLIAM BRADY personally known to me or
proved to me on the basis of satisfactory evidence to be the
person whose name is subscribed to this instrument, and
acknowledged to me that he executed it.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed
my official seal the day and year in this certificate first above
written.

Lora Kay Bulen
NOTARY PUBLIC

6567-1959
0844

FROM Merchant & Gould 310 4.

(THU) 8 14' 97 1. . T. 14:54/NO. 4261403915 P 13

IN WITNESS WHEREOF, Assignor has executed this
Assignment on the dates as written.

Dated: 1/22/93

ASSIGNOR

Philip M. Wallace
PHILIP M. WALLACE

COUNTY OF Wry
STATE OF Washington

On this 22nd day of January, the year 1993,
before me personally appeared PHILIP M. WALLACE personally known
to me or proved to me on the basis of satisfactory evidence to be
the person whose name is subscribed to this instrument, and
acknowledged to me that he executed it.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed
my official seal the day and year in this certificate first above
written.

Fred K. Bulen
NOTARY PUBLIC

RECORDED
PATENT AND TRADEMARK
OFFICE

APR 19 1993

U.S. 1045

ASSIGNMENT

This Assignment as dated herein below, by Peter S. Linsley of 2430 9th Avenue West, Seattle, Washington 98119; Jeffrey A. Ledbetter, of 306 N.W. 113th Place, Seattle, Washington 98117; Nitin K. Damle, of 11717 S.E. 60th Place, Renton, Washington; and William Brady, of 618 219th Place, S.W., Bothell, Washington, 98021; Assignors, to BRISTOL-MYERS SQUIBB COMPANY, Assignee, a corporation, having a place of business at 3005 First Avenue, Seattle, Washington, 98121.

WHEREAS, Assignors have invented a new and useful CTLA4 RECEPTOR AND METHODS FOR ITS USE, for which an application for United States Letters Patent has been filed on June 27, 1991, under Serial Number 07/723,617; and

WHEREAS, Assignors believe themselves to be the original, joint inventors of the invention disclosed and claimed in said application for Letters Patent; and

WHEREAS, Assignee desires to acquire by formal, recordable assignment the entire right, title and interest in and to said invention, said application and any Letters Patent that may be granted for said invention in the United States and throughout the world;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) and of other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignors hereby sell, assign, and transfer to Assignee, the entire right, title, and interest in and to said invention, said application and any Letters Patent that may be granted for said invention in the United States and throughout the world, including the right to file foreign applications

REEL 5821 FRAME 588

directly in the name of the Assignee and to claim for any such foreign applications any priority rights to which such applications are entitled under international conventions, treaties, or otherwise.

Further, Assignors agree that, upon request and without further compensation, but at no expense to Assignor, they and their legal representatives and assigns will do all lawful acts, including the execution of papers and the giving of testimony, that may be necessary or desirable for obtaining, sustaining, reissuing, or enforcing Letters Patent in the United States and throughout the world for said invention, and for perfecting, recording, or maintaining the title of Assignee, its successors and assigns, to said invention, said application, and any Letters Patent granted for said invention in the United States and throughout the world.

Assignors represent and warrant that they have not granted and will not grant to others any rights inconsistent with the rights granted herein.

Assignors authorize and request the Commissioner of Patents and Trademarks of the United States and of all foreign countries to issue any Letters Patent granted for said invention, whether on said application or on any subsequently filed division, continuation, continuation-in-part or reissue application, to Assignee, its successors and assigns, as the assignee of the entire interest in said invention.

REEL 5821 FRAME 589

IN WITNESS WHEREOF, Assignor has executed this Assignment
on the dates as written.

Dated: 08/14/91

ASSIGNOR

Peter S. Linsley
PETER S. LINSLEY

COUNTY OF

STATE OF

King
Washington

On this 14 day of August, the year 91,
before me personally appeared PETER S. LINSLEY personally
known to me or proved to me on the basis of satisfactory
evidence to be the person whose name is subscribed to this
instrument, and acknowledged to me that he executed it.

IN WITNESS WHEREOF, I have hereunto set my hand and
affixed my official seal the day and year in this certificate
first above written.

Tawny K. Randall
NOTARY PUBLIC

TAWNY K RANDALL
Notary Public
STATE OF WASHINGTON
My Commission Expires
August 25, 1993

REC-5821 FRAM-590

IN WITNESS WHEREOF, Assignor has executed this Assignment
on the dates as written.

Dated: 8/8/91

ASSIGNOR

Jeffrey A. Ledbetter
JEFFREY A. LEDBETTER

COUNTY OF

STATE OF

King
Washington.

On this 8 day of August, the year 1991,
before me personally appeared JEFFREY A. LEDBETTER personally
known to me or proved to me on the basis of satisfactory
evidence to be the person whose name is subscribed to this
instrument, and acknowledged to me that he executed it.

IN WITNESS WHEREOF, I have hereunto set my hand and
affixed my official seal the day and year in this certificate
first above written.

Tawny K. Randall
NOTARY PUBLIC

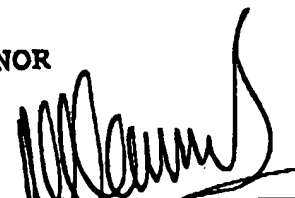
TAWNY K RANDALL
Notary Public
STATE OF WASHINGTON
My Commission Expires
August 25, 1993

REEL 5821 FRAME 591

IN WITNESS WHEREOF, Assignor has executed this Assignment
on the dates as written.

Dated: 8/8/91

ASSIGNOR

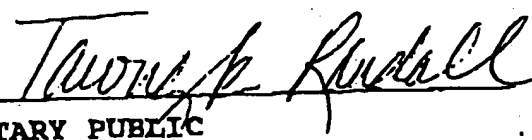


NITIN K. DAMLE

COUNTY OF King
STATE OF WASHINGTON

On this 8 day of August, the year 1991,
before me personally appeared NITIN K. DAMLE personally known
to me or proved to me on the basis of satisfactory evidence to
be the person whose name is subscribed to this instrument, and
acknowledged to me that he executed it.

IN WITNESS WHEREOF, I have hereunto set my hand and
affixed my official seal the day and year in this certificate
first above written.



NOTARY PUBLIC

TAWNY K RANDALL
Notary Public
STATE OF WASHINGTON
My Commission Expires
August 25, 1993

FILE 5821 FRAME 592

IN WITNESS WHEREOF, Assignor has executed this Assignment
on the dates as written.

Dated: 8/8/91

ASSIGNOR

William Brady
WILLIAM BRADY

COUNTY OF

STATE OF

King
Washington

On this 8 day of August, the year 91,
before me personally appeared WILLIAM BRADY personally known
to me or proved to me on the basis of satisfactory evidence to
be the person whose name is subscribed to this instrument, and
acknowledged to me that he executed it.

IN WITNESS WHEREOF, I have hereunto set my hand and
affixed my official seal the day and year in this certificate
first above written.

Tawny K. Randall
NOTARY PUBLIC

TAWNY K RANDALL
Notary Public
STATE OF WASHINGTON
My Commission Expires
August 26, 1993

REC 5821 FAMS 93